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NOTICE OF ALLOWANCE AND FEE(S) DUE

29863

7590

10/13/2010

DELAND LAW OFFICE P.O. BOX 69 KLAMATH RIVER, CA 96050-0069 EXAMINER

IRVIN, THOMAS W

ART UNIT PAPER NUMBER

3657

DATE MAILED: 10/13/2010

| ĺ | APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-----------------|-------------|----------------------|---------------------|------------------|
| ٠ | 10/711,326 | 09/10/2004 | Takahiro Nakano | SIC-04-034 | 5325 |

TITLE OF INVENTION: A BICYCLE SPROCKET HAVING A THICKENED SPLINE

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 01/13/2011 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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| DELAND LA' P.O. BOX 69 KLAMATH RI | | Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposite States Postal Service with sufficient postage for first class maddressed to the Mail Stop ISSUE FEE address above, or transmitted to the USPTO (571) 273-2885, on the date indicates | | | | ted with the United | | | |
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| | | | | | | | | | (Signature) |
| | | | | | | | | | (Date) |
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| EXAM | MINER | ART UNIT | CLASS-SUBCLASS | s | | | | | |
| IRVIN, TI | HOMAS W | 3657 | 474-152000 | | | | | | |
| "Fee Address" inc PTO/SB/47; Rev 03- Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un | AND RESIDENCE DATA cless an assignee is ident th in 37 CFR 3.11. Com | " Indication form | data will appear on th | nativingle or a attor I be p r typ ne pa | rely, e firm (having as a gent) and the name meys or agents. If n printed. e) ttent. If an assignessignment. | members of up no name | entified below, the do | ocument | t has been filed for |
| Please check the appropriate 4a. The following fee(s) | | categories (will not be produced) | rinted on the patent): b. Payment of Fee(s): (| | | | | | |
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| NOTE: The Issue Fee ar | atus (from status indicated as SMALL ENTITY statu ad Publication Fee (if req | us. See 37 CFR 1.27. | b. Applicant is no | | | | | | |
| interest as shown by the | records of the United Sta | tes Patent and Trademark | c Office. | | | | | | |
| Authorized Signature | · | | | | Date | | | | |
| Typed or printed nam | | | _ | | | | | | |
| This collection of inform an application. Confider submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 22: | Virginia 22313-1450. DC | FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR | on is required to obtain 1.14. This collection is y depending upon the in the Chief Information Of COMPLETED FORMS | or res s esti ndivi ffice S TC | etain a benefit by th imated to take 12 m idual case. Any cor r, U.S. Patent and 7 7 THIS ADDRESS. | ne publi ninutes mments Fradem SENE | c which is to file (and to complete, includin on the amount of tir ark Office, U.S. Depa TO: Commissioner t | by the g gatherne you nertment for Pater | USPTO to process) ring, preparing, and require to complete of Commerce, P.O. nts, P.O. Box 1450, |

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| 29863 75 | 90 10/13/2010 | EXAMINER | | | |
| DELAND LAW | OFFICE | IRVIN, THOMAS W | | | |
| P.O. BOX 69 | | ART UNIT PAPER NUMBER | | | |
| KLAMATH RIVE | R, CA 96050-0069 | 3657 | | | |
| | | DATE MAILED: 10/13/2010 | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 606 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 606 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) | | |
|--|---|--|--|--|
| | 10/711,326 | NAKANO ET AL. | | |
| Notice of Allowability | Examiner | Art Unit | | |
| | THOMAS IRVIN | 3657 | | |
| The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in this or other appropriate communical GHTS. This application is subjeand MPEP 1308. | application. If not included tion will be mailed in due course. THIS ct to withdrawal from issue at the initiative | | |
| This communication is responsive to <u>amendments filed 13</u> 2010. | 3 September 2010 and an intervie | w with James Deland on 27 September | | |
| 2. The allowed claim(s) is/are <u>1,3-14,16 and 18-20</u> . | | | | |
| 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the priority documents have 3. Copies of the priority documents have 4. Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which gives including changes required by the Notice of Draftsperson of the priority documents have a priority document have a priority document have a priority documents have a priority document have a priority docume | e been received. e been received in Application No ocuments have been received in the policy of this communication to file a report of this application. In the series of this application to file a report of the series of this application. In the series of this application to file a report of the series of this application. In the series of this application to file a report of this application. In this application to file a report of this application. In this application to file a report of this application. In this application to file a report of this application. In this application to file a report of this application. In this application to file a report of this application. In this application to file a report of this application. | his national stage application from the ply complying with the requirements ER'S AMENDMENT or NOTICE OF laration is deficient. TO-948) attached TO-948) attached TO-948 attached | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material /Bradley T King/ Primary Examiner, Art Unit 3657 | Paper No./Mail 7. ⊠ Examiner's Ame — | ary (PTO-413), Date | | |
| | | | | |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James Deland on 27 September 2010.

The application has been amended as follows:

Claim 13 has been amended to read --

A bicycle sprocket adapted to rotate around a rotational axis, wherein the sprocket comprises:

a sprocket body;

a plurality of teeth extending radially outwardly from the sprocket body and dimensioned to engage a bicycle chain;

a radially inwardly extending spline in the form of a projection extending radially inwardly from the sprocket body, wherein the radially inwardly extending spline has a root portion and a radially inner portion, wherein the root portion extends radially inwardly of the sprocket body and has a side wall facing in a direction of operating rotation of the sprocket body, and wherein the radially inner portion extends radially

inwardly of the root portion and has a side wall facing in the direction of operating rotation of the sprocket body;

wherein the root portion of the radially inwardly extending spline originates from and extends radially inwardly from an innermost peripheral surface of the sprocket body that forms an a circumferentially adjacent radially outwardly extending spline in the form of a slot, wherein the radially inwardly extending spline terminates in a radially inwardly facing free end;

wherein a thickness of the radially inner portion of the radially inwardly extending spline in a direction parallel to the rotational axis is greater than a thickness of the root portion of the radially inwardly extending spline in a direction parallel to the rotational axis; and

wherein the radially inner portion has a radially outer surface facing a radially inner surface of the sprocket body. --

Any inquiry concerning this communication or earlier communications from the examiner should be directed to THOMAS IRVIN whose telephone number is (571)270-3095. The examiner can normally be reached on M-F 10-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Siconolfi can be reached on (571) 272-7124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/711,326 Page 4

Art Unit: 3657

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Thomas Irvin/ Examiner, Art Unit 3657 /Bradley T King/ Primary Examiner, Art Unit 3657